



TYPICAL SECTION
P.C. CONCRETE PAVED SHOULDER

DESIGN QUANTITY TABLE (3)								
	E = 1.2 m		E = 1.8 m		E = 2.4 m		E = 3.0 m	
(T)	Area m ²	Volume m ³	Area m ²	Volume m ³	Area m ²	Volume m ³	Area m ²	Volume m ³
200	120.0	24.0	180.0	36.0	240.0	48.0	300.0	60.0
210	120.0	25.2	180.0	37.8	240.0	50.4	300.0	63.0
220	120.0	26.4	180.0	39.6	240.0	52.8	300.0	66.0
230	120.0	27.6	180.0	41.4	240.0	55.2	300.0	69.0
240	120.0	28.8	180.0	43.2	240.0	57.6	300.0	72.0
250	120.0	30.0	180.0	45.0	240.0	60.0	300.0	75.0
260	120.0	31.2	180.0	46.8	240.0	62.4	300.0	78.0
270	120.0	32.4	180.0	48.6	240.0	64.8	300.0	81.0
280	120.0	33.6	180.0	50.4	240.0	67.2	300.0	84.0
290	120.0	34.8	180.0	52.2	240.0	69.6	300.0	87.0
300	120.0	36.0	180.0	54.0	240.0	72.0	300.0	90.0

GENERAL NOTES:

Details indicated hereon illustrate the general requirements for construction of a paved shoulder consisting of PCC Base except all joints shall be sealed as specified for "Portland Cement Concrete Pavement" in the current Standard Specifications. Unless otherwise specified, Class A Concrete shall be used.

Any special shaping of subgrade necessary, prior to construction of paved shoulders, shall be accomplished as directed by the Engineer. Any material removed due to this special shaping may be used as earth fill, Class 10 excavation, Class 13 excavation, or on other suitable areas on the project as approved by the Engineer.

The subgrade beneath Paved Shoulders shall be constructed in conformance with specifications for Natural Subgrade. "Special Backfill" material shall be paid for as specified in Article 2102.14, Paragraph D. Payment shall be based on a uniform 150 millimeter thickness. The thickness may be exceeded at the Contractor's option with no compensation for the additional material.

For rumble strip details see Standard Road Plan RH-41D.

The price bid for "Portland Cement Concrete Paved Shoulder" thickness as specified, in square meters. And "Special Backfill" in megagrams, shall be considered full compensation for the construction of shoulder as detailed hereon. Joint construction, rumble strips, special shaping, earth shoulder fill and/or furnishing and finishing material for edge treatment fillet shall be considered incidental to the price bid for "Portland Cement Concrete Paved Shoulder".

- (1) Refer to the appropriate Detail Drawing.
- (2) "L-2", "KT-2" or modified "BT-3" Joint. Modified "BT-3" requires a keyway. Contractor option to pour either the tongue or groove of the keyway with the mainline pavement. Refer to Standard Road Plan RH-51.
- (3) Quantities indicated are for design purposes and may be adjusted at time of construction if so directed by the engineer. Quantities listed are for one shoulder per station.

All dimensions given in millimeters unless noted.

METRIC VERSION	M		Iowa Department of Transportation Highway Division	
	STANDARD ROAD PLAN		RH-41B	
	REVISION: Show flatter than 6:1 slope and actual 6:1 slope.		REVISION NO. 14	
	APPROVED BY <i>William J. Skan</i> DESIGN METHODS ENGINEER		REVISION DATE 10-29-02	
	PAVED SHOULDER FULL DEPTH P. C. CONCRETE (ADJACENT TO PCC PAVEMENT)			